

WHAT IS CLAIMED:

sub B1
1. A method of preventing an immune-mediated disorder which comprises administering to a mammal, prior to tissue transplantation, a therapeutically effective amount of interleukin-11.

2. The method of claim 1, wherein the therapeutically effective amount of interleukin-11 comprises 1 to 100 $\mu\text{g/kg}$ body weight.

sub B2
3. A method of ameliorating an immune-mediated disorder which comprises administering to a mammal, at the time of tissue transplantation, a therapeutically effective amount of interleukin-11.

4. The method of claim 3, wherein the therapeutically effective amount of interleukin-11 comprises 1 ng to 100 $\mu\text{g/kg}$ body weight.

5. The method of claim 4, wherein the interleukin-11 is administered for three days beginning on the day of the tissue transplant.

sub B3
6. A method of treating an immune-mediated disorder which comprises administering to a mammal experiencing said immune-mediated disorder a therapeutically effective amount of interleukin-11.

7. The method of claim 6, wherein the therapeutically effective amount of interleukin-11 comprises 1 to 100 $\mu\text{g/kg}$ body weight.

sub C4
8. The method of claim 7, wherein the interleukin-11 is administered daily until improvement of the immune-mediated disorder is observed.

9. The method of claim 7, wherein the interleukin-11 is administered daily until remission of the immune-mediated disorder is observed.

add a2